

CLAIMS

What is claimed is:

1. A thermal conditioning beverage container holder comprising:
a housing defining an open chamber sized to receive at least one beverage
container and having an access opening permitting access to the chamber;
a convection airflow generator fluidly coupled to the chamber and
5 configured to deliver thermally conditioned air to the chamber;
a size adjustable beverage holder configured to support cups having
differing vertical heights and differing cross-sectional area sizes.
2. The thermal conditioning beverage container of claim 1, further
10 comprising a beverage container support comprising first and second recesses located
within the chamber, the first recess being configured to receive the bottom of a beverage
container having a first maximum diameter and the second recess being configured to
receive the bottom of a beverage container having a second maximum diameter that is
larger than the first maximum diameter.
- 15 3. The thermal conditioning beverage container of claim 1, further
comprising a resizing element comprising a plate having at least one opening for
receiving a beverage container and which is movable between a first position, where the
plate overlies the chamber and reduces the effective cross-sectional area of the chamber,
20 and a second position, where the plate is withdrawn from overlying relationship to the
chamber such that the beverage holder is configured to hold a smaller circumference
beverage container in the first position than in the second position.
- 25 4. The thermal conditioning beverage container of claim 2, wherein the
container support is part of the housing and forms the bottom of the chamber, and the
housing further comprises a peripheral sidewall extending upwardly from the container

support and terminating in an upper lip that defines a chamber opening, the peripheral sidewall further comprising an inlet fluidly coupled to a convection airflow generator through which conditioned air is delivered into the chamber.

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5. The thermal conditioning beverage container of claim 1, further comprising a storage chamber and a storage chamber cover for selectively covering the storage chamber.

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6. The thermal conditioning beverage container of claim 1, wherein the housing further comprises a peripheral wall defining the sides of the chamber and a support wall spaced from the peripheral wall on which a thermoelectric element is mounted, a blower fan being positioned between the support wall and the peripheral wall and being in fluid communication with the chamber to provide conditioned air to the chamber.

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7. The thermal conditioning beverage container of claim 1, further comprising multiple segments movably mounted to the housing for selectively closing the access opening.

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8. A thermal conditioning beverage container holder configured to be mounted in a motor vehicle between the front driver and passenger seats, the beverage container holder comprising:

a housing configured to define a console for the motor vehicle; the housing having an open chamber sized to receive at least one beverage container and having an access opening permitting access to the chamber;

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a convection airflow generator fluidly coupled to the chamber and configured to deliver thermally conditioned air to the chamber; and

a size adjustable beverage holder configured to support cups having differing vertical heights and differing cross-sectional area sizes.

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9. The thermal conditioning beverage container of claim 8, further comprising a beverage container support located within the chamber and provided with one or more recesses configured to support varying cross-sectional area sizes of beverage
60 containers.

10. The thermal conditioning beverage container of claim 9, further comprising a resizing element comprising a plate having at least one opening for receiving a beverage container and which is movable between a first position, where the
65 plate overlies the chamber and reduces the effective cross-sectional area of the chamber, and a second position, where the plate is withdrawn from overlying relationship to the chamber such that the beverage holder is configured to hold a smaller circumference beverage container in the first position than in the second position

70 11. The thermal conditioning beverage container of claim 8, wherein the container support is part of the housing and forms the bottom of the chamber, and the housing further comprises a peripheral sidewall extending upwardly from the container support and terminating in an upper lip that defines a chamber opening.

75 12. The thermal conditioning beverage container of claim 11, wherein the peripheral sidewall further comprising an inlet fluidly coupled to a convection airflow generator through which conditioned air is delivered into the chamber.

13. The thermal conditioning beverage container of claim 8, further
80 comprising a storage chamber and a storage chamber cover for selectively covering the storage chamber.

14. The thermal conditioning beverage container of claim 8, wherein the housing further comprises a peripheral wall defining the sides of the chamber and a

85 support wall spaced from the peripheral wall on which a thermoelectric element is
mounted, a blower fan being positioned between the support wall and the peripheral wall
and being in fluid communication with the chamber to provide conditioned air to the
chamber.

90 15. A thermal conditioning beverage container holder comprising:
a housing defining an open chamber sized to receive a beverage container
and having an access opening permitting access to the chamber;
a convection airflow generator fluidly coupled to the chamber and
configured to deliver thermally conditioned air to the chamber;
95 a resizing element comprising a plate having at least one opening for
receiving a beverage container and which is movable between a first position, where the
plate overlies the chamber and reduces the effective cross-sectional area of the chamber,
and a second position, where the plate is withdrawn from overlying relationship to the
chamber such that the beverage holder is configured to hold a smaller circumference
100 beverage container in the first position than in the second position; and
and a beverage container support located within the chamber and
configured to provide bottom support for beverage containers having varying bottom
circumferences.

105 16. The thermal conditioning beverage container holder of claim 15, wherein
the resizing element is removably mounted within the chamber for reducing the size of
the beverage container that can be received within the chamber when the resizing
element is mounted within the chamber.

110 17. The thermal conditioning beverage container holder of claim 15, wherein
the plate is spaced above the container support when the plate is in the first position.

18. The thermal conditioning beverage container holder of claim 15, The
thermally conditioned beverage container of claim 1, further comprising a beverage
115 container support comprising first and second recesses located within the chamber, the
first recess being configured to receive the bottom of a beverage container having a first
maximum diameter and the second recess being configured to receive the bottom of a
beverage container having a second maximum diameter that is larger than the first
maximum diameter.

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19. The thermal conditioning beverage container holder of claim 15, wherein
the housing defines a console for a motor vehicle and is sized to fit between the front
seats.

125 20. The thermal conditioning beverage container holder of claim 19, further
comprising a storage chamber and a storage chamber cover for selectively covering the
storage chamber.